



IEEE

ICM2024

Doha-Qatar

December 14-17 2024

International Conference on Microelectronics



جامعة حمد بن خليفة
HAMAD BIN KHALIFA UNIVERSITY
عضو في مؤسسة قطر
Member of Qatar Foundation



Honorary co-Chair:

Mounir Hamdi, Dean, CSE, HBKU, UAE
Mohamed Elmasry, Waterloo Univ., Canada

Conference co-Chairs:

Amine Bermak, HBKU, Qatar
Mohamad Sawan, Westlake Univ., China

Technical Program co-Chairs:

Ahmed Madian, NU, Egypt
Bo Wang, HBKU, Qatar
Fouad Hajj Hassan, AlMaaref, Univ, Lebanon

Publication co-Chairs:

Falah Awwad, UAEU, UAE
Mohamed Tabaa, EMSI, Morocco
Sofiene Tahar, Concordia Univ., Canada

Finance co-Chairs:

Mourad Haj Hmdia, HBKU, Qatar
Abdallah Kassem, IEEE-CAS, Lebanon

Publicity co-Chairs

Arshad Khan, HBKU, Qatar
Mohamed Tabaa, Morocco
Mohamed Abid, Tunisia

Special Session co-Chairs:

Volkan Kursun, Bilkent, Turkiye
Tales Pimenta, UFI, Brazil
Mohamad Arnaout, LIU, Lebanon

Industrial Relation Chairs:

Ali M. Haidar, BAU, Lebanon
Xiaojin Zhao, Shenzhen University, China

Local Arrangement co-Chairs:

Muhammad Abrar Akram, QU, Qatar
Shawkat Ali, HBKU, Qatar
Arshad Hassan, HBKU, Qatar

Tutorials co-Chairs

Milin Zhang, TU, China
Hani Saleh, KU, UAE
Mahmoud Masadeh, YU, Jordan

International Coordinators

Tales Pimenta, UFI, Brazil
Abbas Dandache, LU, France
Adnan Harb, LIU, Lebanon
Abdoul Rjoub, JUST, Jordan
Khaled Salama, KAUST, KSA
Mohamed Masmoudi, ENIS, Tunisia
Ahmed Bouridane, UAE
Mohammed Ismail, W.S.U, USA
Otmene Ait Mohamed, Concordia Univ, Ca
Mourad Loulou, Tunisia
Nabil Karami, UCT, UAE
Mohamad Abou Ali, Spain
Omar FALOU, Canada
Mohamad Khalil, LU, Lebanon
Baker Mohammad, KU, UAE
Mounir Boukadoum UQAM, Canada

The International Conference on Microelectronics has already been held numerous times in different countries across the MiddleEast, Southern Europe, and Asia for the past 35 years. The 36th edition of the conference will take place in Doha Qatar. ICM 2024 will include oral, poster sessions and tutorials given by experts on state-of-the-art topics. The regular technical program will run for three days. In addition, tutorial sessions will be held on the first day of the conference. ICM 2024 is a highly technical conference that focuses on the latest developments in circuits and systems research. As such, the conference is primarily aimed at researchers, academics, engineers, and professionals in the field of circuits and systems. The conference, spanning over four days, will include peer-reviewed paper submissions, and accepted papers will be considered for inclusion in IEEE Xplore. Papers are solicited in, but not limited to, the following topics:

- Circuits and Systems
- Digital signal and data processing
- AI
- IoT and Wireless communication systems
- Analog and RF circuit design techniques
- Nonlinear circuits
- VLSI for signal and image processing
- System on chip (SoCs)
- Integrated antenna and front-end co-design
- IoT circuits and security
- Metaverse and Sensors
- Biomedical circuits and systems
- CAD Tools and Design
- Simulation (process, device, circuit, logic, timing, function)
- Silicon optimization
- Parallel embedded systems
- Testing: Formal verification
- CAD for FPGAs
- High-level synthesis tools
- Design for testability
- Micro/Nanoelectronics
- Device characterization and modelling
- Device physics and novel structures
- Process technology, CMOS, BJT, BiCMOS, GaAs
- Reliability and failure analysis
- Optoelectronics
- MEMS devices
- Packaging and surface mount technology

Paper Submission

Authors are invited to submit papers in PDF using according to IEEE formatting guidelines. Paper template could be downloaded from the following website:

https://www.ieee.org/conferences_events/conferences/publishing/templates.html

Electronic submission of papers should be done via EDAS: <https://edas.info/N32481>

Questions regarding submission should be directed to icm2024@ieee-icm.org

Accepted and presented papers for authors who complete registration will be submitted for inclusion to IEEE Xplore.

Review Process

The evaluation of submitted papers is based on the importance and usefulness of the research topic. Technical merits, novelty of the approach, soundness of results, and clarity of presentation are also considered as factors of the evaluation process. Each paper will be fully reviewed by a minimum of Three specialized reviewers.

Important Dates:

- Full Paper Submission** : September 20th, 2024
- Paper's Notification** : October 20th, 2024
- Camera Ready** : November 20th, 2024
- Submission of Special Sessions Proposals** : September 25th, 2024
- Submission of Tutorials Proposals** : September 25th, 2024
- Notification of Tutorials Proposals Acceptance** : September 30th, 2024
- Notification of Special Sessions Proposals Acceptance**: September 30th, 2024